

**ABSTRACT**

A gas stream containing nitrous oxide and ammonia is contacted with a catalyst composition containing a zeolite.  $\text{N}_2\text{O}$  is reduced to  $\text{N}_2$  and  $\text{H}_2\text{O}$  at low temperatures in a highly efficient manner. Ammonia-mediated reduction of nitrous oxide can be effectuated from gas streams having  $\text{N}_2\text{O}$  concentrations as low as 1%. The gas stream may also contact a catalytic composition selective for the reduction of  $\text{NO}_x$ . In this way,  $\text{N}_2\text{O}$  and  $\text{NO}_x$  treatment may be effectuated in a single process stream.